APRIL/MAY 2025

FECA54C/FECS54C/FESC54B/CECA54C/ CECS54C/CESC54B — SOFTWARE TESTING

Time : Three hours | Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

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1. What is verification?
2. Define the term validation.
3. What is performance testing?
4. Comment on regression testing.
5. Write about cyclomatic complexity.
6. Mention any two types of graph metrics.
7. Which tools are used in test management?
8. List out the bug tracking tools.
9. What is quality?
10. Give any two advantages of RAD model.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Analyze any four types of approaches in software testing.

Or

(b) Explain the need for software testing.

12. (a) Summarize about white – box testing.

Or

(b) Discuss about integration testing.

13. (a) Explain the boundary value analysis.

Or

(b) Describe about "cause effect graphing techniques."

14. (a) Write short note on the benefits of analysis testing.

Or

(b) Explain the various types of test plan.

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15. (a) Give short note on software quality assurance.

Or

(b) Write notes on system Documentation.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write an essay on types of test strategies.

17. Give an account of life cycle on software testing.

18. Discuss about decision table based testing.

19. Narrate the various automation testing tools.

20. Illustrate the models for software product quality.

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